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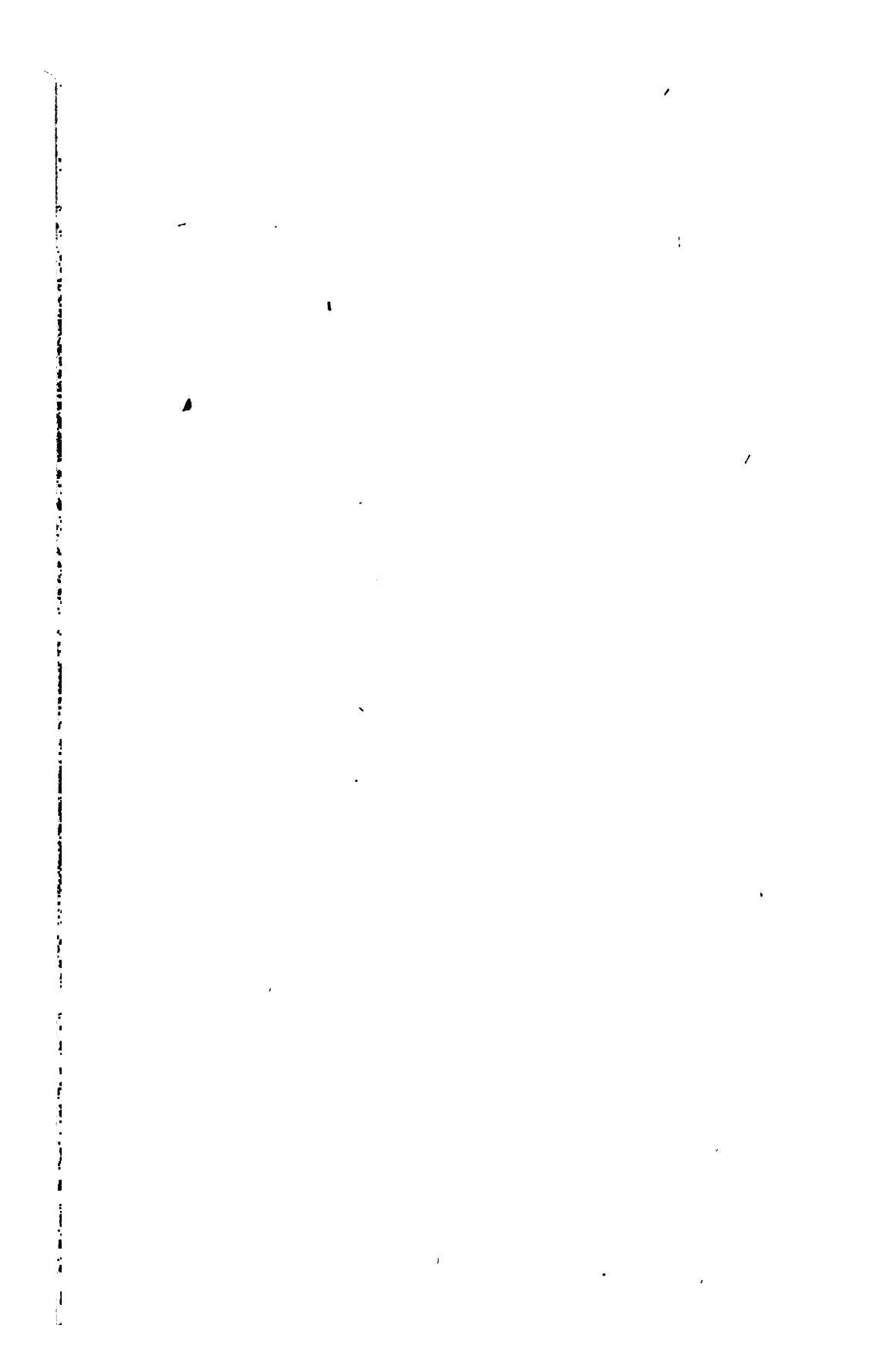
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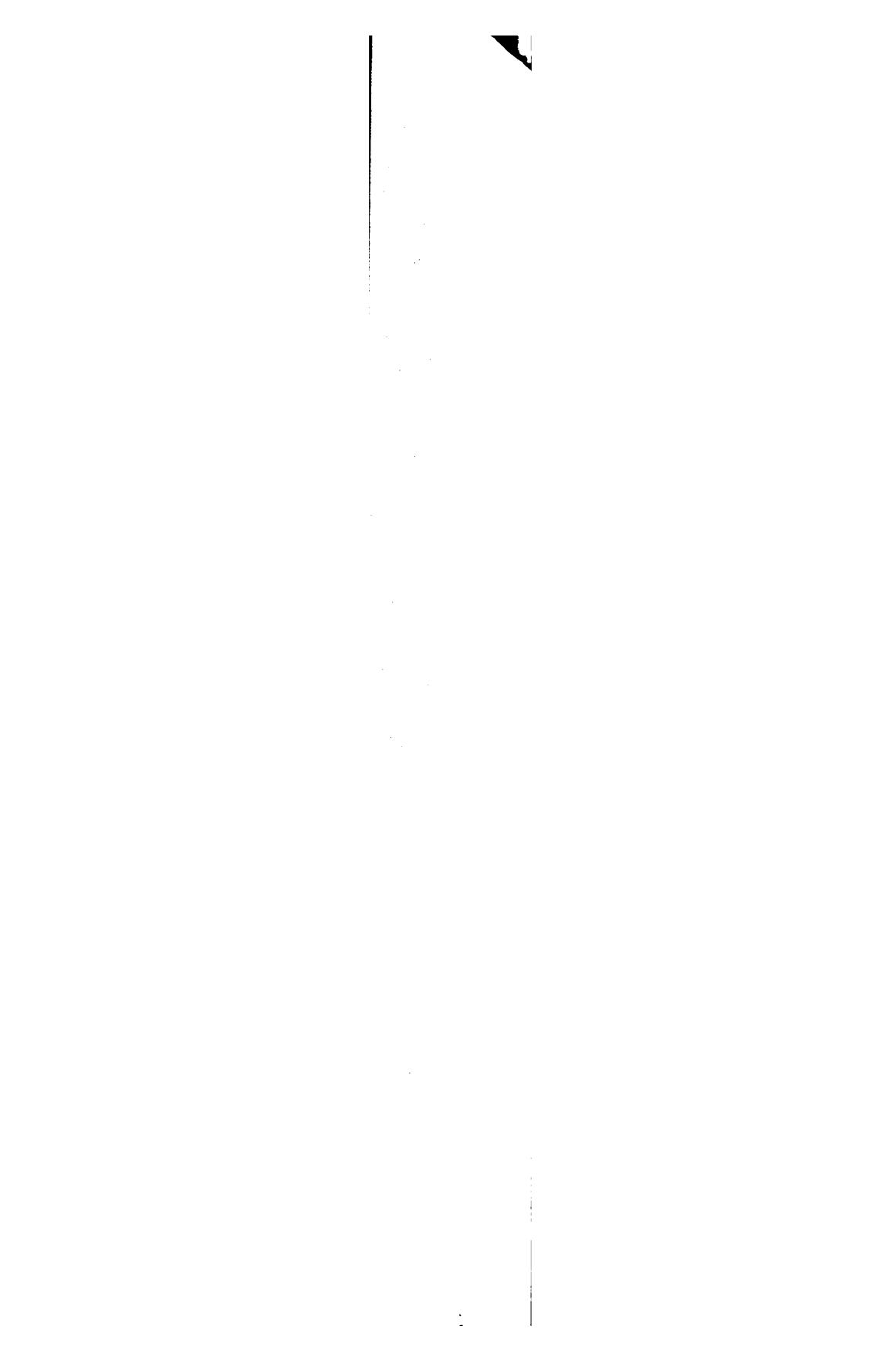


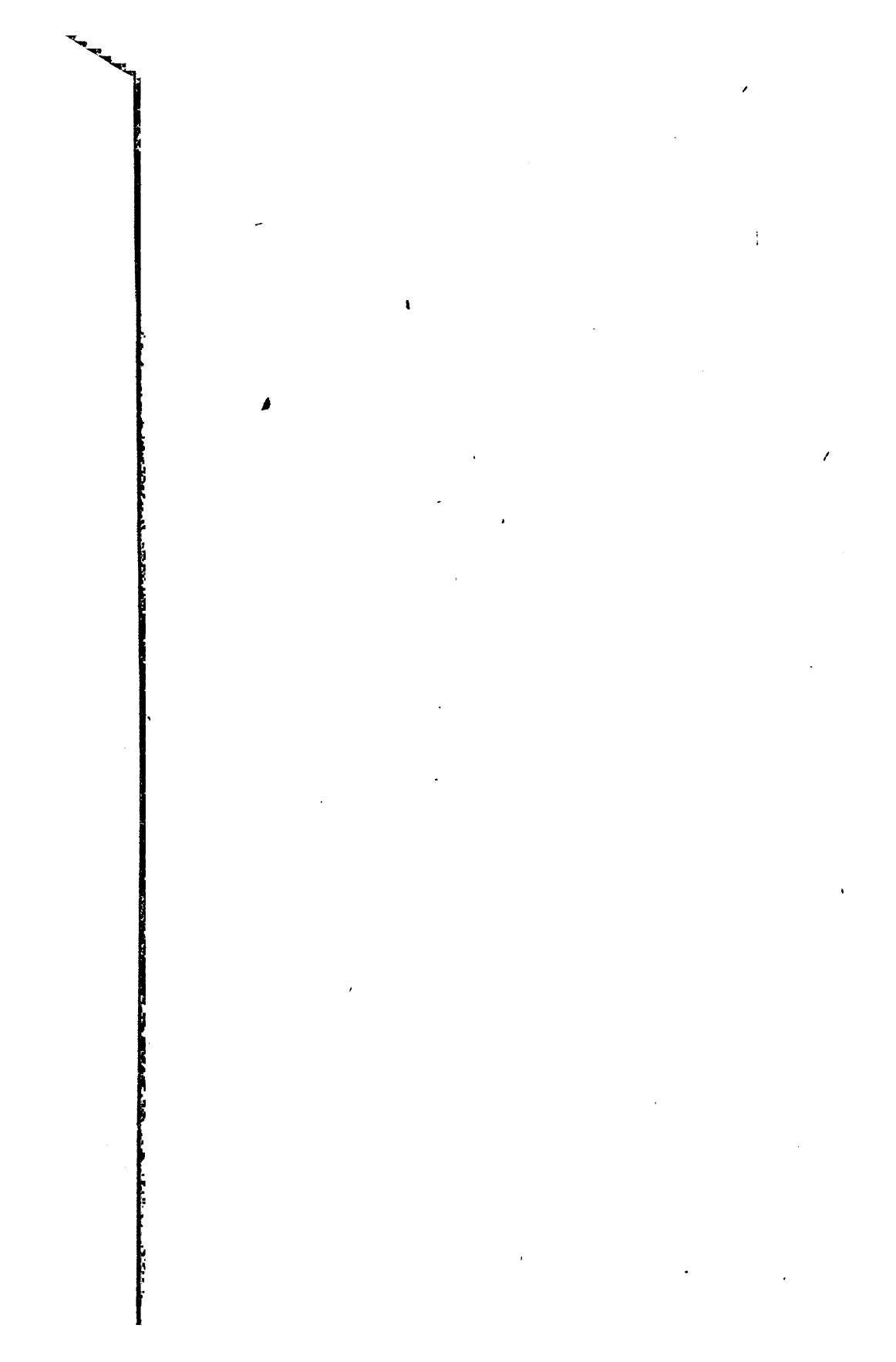
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II

INDUSTRIAL EDUCATION IN EUROPE.

DEPARTMENT OF THE INTERIOR,
BUREAU OF EDUCATION,
Washington, October 20, 1880.

The accompanying papers respecting the Higher Commercial Institute of Antwerp, Belgium, the Federal Polytechnic School at Zürich, Switzerland, the Higher Commercial and Silk Weaving School, at Lyons, France, and the Higher Commercial School of Marseilles, France, exhibit the ways in which Europeans deal with the demand for a practical business education.

JOHN EATON,
Commissioner.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1880.



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INDUSTRIAL EDUCATION IN EUROPE.

I. HIGHER COMMERCIAL INSTITUTE, ANTWERP, BELGIUM.

The Institut supérieur de commerce was established by royal decree of October 29, 1852, at the expense of the Belgian government and of the city of Antwerp.

The course of study lasts two years. The age of the pupils ranges from 18 to 20. Each student pays 25 francs matriculation fee. The tuition fees are 200 francs for the first and 250 francs for the second year. A special fee of 100 francs is charged for a course in the commercial office.

The examination for admission is held annually before a commission appointed by the government and presided over by the director of the institution. The subjects of examination are: A French composition and a translation from French into German and English; physical geography; commercial arithmetic; elements of algebra and geometry; book-keeping; rudiments of natural philosophy and chemistry; rudiments of universal history. A preparatory course of instruction is given by the professors of the institution. It lasts from Easter until August 15. The fee for this preparatory course is 100 francs. In this course special attention is paid to foreign students. Pupils who have completed their collegiate education are admitted without examination. The examination at the end of the first year for admission to the course of the second year takes place at the close of the annual session. The director, the professors, and the government inspector are the examiners. At the end of the second year a special examining board appointed by the government confers the degree of licentiate in commercial sciences upon such students as pass the requisite examination. Belgian students who have displayed special proficiency may obtain government aid which will enable them to travel abroad for several years. A sum of 40,000 francs is annually appropriated for this purpose in the budget of the minister of foreign affairs. All the examinations are free of expense to the students.

The lectures commence in the second week of October. Being delivered in French, foreign pupils must have previously acquired some knowledge of that language. The transactions in the commercial office are carried on in the languages generally used in commerce.

A library composed of commercial works and an extensive museum of mercantile products are connected with the institution.

The institution is placed under the control of a committee of seven members, the burgomaster of the city of Antwerp being ex officio president. The other six members are appointed three by the government and three by the municipal council of Antwerp.

PROGRAMME OF THE COURSE.

PREPARATORY COURSE.

French, German, English, history, geography, book-keeping, arithmetic, algebra, geometry, natural history, chemistry.

The foregoing branches are the subjects of examination for admission to the first year class.

FIRST YEAR.

I. *Mercantile office* (three hours every day): Transactions of a general business house; practical demonstration and application of commercial arithmetic; invoices;

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INDUSTRIAL EDUCATION

The accompanying papers respecting
Belgium, the Federal Polytechnic School,
Commercial and Silk Weaving School, at
School of Marseilles, France, exhibit the
demand for a practical business education

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